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We Claim

- Immunogenic preparation or vaccine comprising,
 on the one hand, a plasmid encoding and expressing a gene selected from the group consisting of ORF1 of PCV-2, ORF2 of PCV-2, ORF1 of PCV-1 and ORF2 of PCV-1, and, on the other hand, an element capable of increasing the immune response directed against the product of expression of the gene.
 - 2. Immunogenic preparation or vaccine according to Claim 1, characterized in that the element capable of increasing the immune response comprises as adjuvant a cationic lipid of formula

in which R_1 is a saturated or unsaturated linear aliphatic radical having from 12 to 18 carbon atoms, R_2 is another aliphatic radical comprising from 2 to 3 carbon atoms, andt X is an hydroxyle ou amine group.

- 3. Immunogenic preparation or vaccine according to Claim 2, characterized in that the cationic lipid is DMRIE.
- 4. Immunogenic preparation or vaccine according to 25 Claim 3, characterized in that the DMRIE is coupled to a neutral lipid.
 - 5. Immunogenic preparation or vaccine according to Claim 4, characterized in that the DMRIE is coupled to DOPE.
- 30 6. Immunogenic preparation or vaccine according to Claim 1, characterized in that the element capable of increasing the immune response comprises a carbomer as adjuvant.

- 7. Immunogenic preparation or vaccine according to Claim 1, characterized in that the element capable of increasing the immune response comprises a porcine cytokine.
- 5 8. Immunogenic preparation or vaccine according to Claim 7, characterized in that the porcine cytokine is GM-CSF.
 - 9. Immunogenic preparation or vaccine according to Claim 7 or 8 characterized in that it comprises a plasmid encoding and expressing the porcine cytokine.
 - 10. Immunogenic preparation or vaccine according to Claim 1, characterized in that the element capable of increasing the immune response comprises a porcine cytokine and a compound selected from the group comprising DMRIE, DMRIE/DOPE and carbomer, as adjuvant.
 - 11. Immunogenic preparation or vaccine according to any one of Claims to 10, characterized in that it comprises a plasmid encoding and expressing another porcine immunogen.

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